

Date: Sat, 20 Feb 93 04:30:12 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #237  
To: Info-Hams

Info-Hams Digest                      Sat, 20 Feb 93                      Volume 93 : Issue    237

Today's Topics:

                                    2m Beam  
                    Bill Clinton and military surplus  
                    Desire advice on mobile VHF/UHF rig.  
                                    DX Bulletin 10    ARLD010  
                    Looking fer morse teaching aid....  
                                    Old car radios had PTO's  
                    Propagation Forecast Bulletin 7    ARLP007  
                                    RACES Bulletin #261  
                                    RACES Bulletin #262  
                                    Space Bulletin 004    ARLS004  
                                    Special Call Signs  
                    visual impaired person tuning manual antenna tuner?  
                    What prevents someone from having 2 amateur licenses?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Sat, 20 Feb 1993 00:47:45 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!howland.reston.ans.net!usc!sdd.hp.com!  
hpscit.sc.hp.com!hplextra!hpfcs!perry@network.UCSD.EDU  
Subject: 2m Beam  
To: info-hams@ucsd.edu

>        Wanted: 2 meter beam antenna with at least 5 elements.  
>  
>                      -- OR --  
>

> Plans, ideas, thoughts, clues, advice, suggestions for the  
> construction of a two meter beam antenna.

If you have an old multi-element TV antenna, you can prune it to 2 meters. I measured 9 dBd on my 6' 5-element job. I used a plan out of Ham Radio (snif), and added a gamma match made from aluminum/plastic tubing purchased at a hobby shop. The whole thing took a couple weekends because I had to design the gamma match hardware.

Yagis are not mysterious. Just resonate the driven element on the boom, then cut the reflector +5% and the directors -5%. Then rematch the DE with a gamma, hairpin, or other match of your choice. If you want the bandwidth to be wider, use larger-diameter elements.

Yagis are really forgiving even if you're off by 1/4", so mark with a crayon and cut with a blowtorch. :-)

Happy Yaging,

Perry Scott  
AA0ET

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Date: Fri, 19 Feb 1993 20:36:57 GMT  
From: spooky!witr@uunet.uu.net  
Subject: Bill Clinton and military surplus  
To: info-hams@ucsd.edu

In article <1993Feb18.125124.21401@cbnewsj.cb.att.com>, k2ph@cbnewsj.cb.att.com (The QRPer) writes:

| > Let's see, Clinton has 6 letters, Billary has 6 letters, does anyone  
| > know if Clinton's middle names have 6 letters? We all suspect him of  
| > being the anti-Christ, can we prove it?

| Clinton has 6 letters?!? Billary has 6 letters?!?

You obviously don't undestand \*anything\* about numerology...

P.S. ( ;-) )

--  
Robert Withrow, Tel: +1 617 598 4480, Fax: +1 617 598 4430, Net: witr@rwwa.COM  
R.W. Withrow Associates, 21 Railroad Ave, Swampscott MA 01907-1821 USA

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Date: 13 Feb 93 16:07:25 GMT

From: usc!sdd.hp.com!crash!orbit!pnet51!bartsch@network.UCSD.EDU  
Subject: Desire advice on mobile VHF/UHF rig.  
To: info-hams@ucsd.edu

I am in the market for a new mobile VHF/UHF rig. I am leaning toward the Yaseu FT-5100 at this point. I would like a radio that is capable of cross band repeat, has or is modifiable for wide-band rx on BOTH VHF and UHF, has a DTMF autodialer, comes with plenty of memories, and has a nice microphone.

Does anyone own the Yaesu FT-5100? How do you like it? Does it have an autodialer? Should I be considering a radio other than the FT-5100?

If anyone has the mods for the FT-5100 I would appreciate an email. Also, what type of VHF/UHF antenna would you recommend. Should I get a dual band antenna or an antenna for each band?

All advice is appreciated. Thanks in advance!

Eric Bartsch - N0JVP  
bartsch@pnet51.orb.mn.org  
PACKET:N0JVP@WB0GDB.MN.USA.NOAM

UUCP: {amdahl!bungia, crash}!orbit!pnet51!bartsch  
ARPA: crash!orbit!pnet51!bartsch@nosc.mil  
INET: bartsch@pnet51.orb.mn.org

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Date: Sat, 20 Feb 93 03:38:47 GMT  
From: sdd.hp.com!elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!mstar!n8emr!  
bulletin@network.UCSD.EDU  
Subject: DX Bulletin 10 ARLD010  
To: info-hams@ucsd.edu

=====  
| Automatic relayed from packet radio via |  
| N8EMR's Ham BBS, 614-895-2553 |  
=====

ZCZC AE36  
QST de W1AW  
DX Bulletin 10 ARLD010  
>From ARRL Headquarters Newington CT  
February 19, 1993  
Relayed by KB8NW/OBS & BARF-80 BBS  
To all radio amateurs

SB DX ARL ARLD010

ARLD010 DX news

Thanks to Jacques, W2/F2YS, Wayne, KH6WZ, Bob, W5KNE, QRZ DX, Chod, VP2ML, and the DX Bulletin for the items in this week's bulletin.

VANUATU. This Pacific island is supposed to be activated by Wayne, W9GW, from February 17 through 24. As of press time we have seen no PacketCluster spots. QSLs should go to 704 Meadowbrook Avenue, Bloomington IL 47401 4230.

QATAR. A71CD has been on 21335 kHz between 1400 and 1430z. A71CW is the new call for Chris, who has been signing A71AL/SP5EXA. Chris has been on 40 meter CW around 0000z with a big signal into the Eastern United States. QSLs go to Chris Dabrowski, Box 22101, Doha, Qatar.

CROZET ISLAND. In last week's bulletin we ran an item on the CW activity by FT4WD. Jacques, W2/F2YS, recently spoke with Christian, FT4WD. Christian, a newly licensed amateur, operates SSB only. It is assumed that the station signing FT4WD on CW recently was of dubious repute.

MARKET REEF. A team of operators hopes to put OH3AC/OJ0 on the air February 25 through 28, although weather conditions can either make or break this operation. QSL via Box 74, SF-15170 Lahti, Finland.

KOREA. DOCUMENTATION FOR THE RECENT P5RS7 OPERATION HAS BEEN received at the ARRL DXCC Desk. No decision will be made on the accreditation issue before March 31, 1993. Please do not send in cards until instructed to do so. Thank you.

THIS WEEKEND ON THE RADIO. The ARRL International DX Contest CW starts at 0000z Saturday and ends at 2400z Sunday. For the contest exchange, W/VE stations send signal report and state or province. DX stations should send signal report and power. For more information, check page 125 of December 1992 QST.

SAINT LUCIA. QSL cards have been ordered for the CQ WW DX SSB Contest operation by J68DX, J68AL, J68AP, J68MR and J68WZ. Your continued patience would be appreciated.  
NNNN

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Date: 20 Feb 93 03:55:00 GMT  
From: usc!hela.iti.org!cs.widener.edu!dsinc!ub!acsu.buffalo.edu!  
ubvmsb.cc.buffalo.edu!v111qheg@network.UCSD.EDU  
Subject: Looking fer morse teaching aid....

To: info-hams@ucsd.edu

In article <1993Feb19.163458.23980@odin.corp.sgi.com>, adams@chuck.dallas.sgi.com (Charles Adams) writes...

>In article <C2MoD3.Ioo@acsu.buffalo.edu>, v111qheg@ubvmsd.cc.buffalo.edu (P.VASILION) writes:

>|> Someone posted in this group a visual aid for code. It displayed a branching  
>|> tree of letters/numbers according to dit/ dah ratio. Could someone mail me  
>|> a copy for my novice class or repost it here? Thanks and many 73,  
>

>use the ARRL code tapes or other tapes, but do not use visual aids. you will  
>cripple or severely slow down a student using visual aids. let me them

I agree 100 %

>i know we will always have the cw bashing, but if you're going to do something,  
>do it right. people spend more time trying how to make something much easier,  
>when just doing it would take less energy and less effort. i know, i've been  
>there. pay me now or pay me later is the name of the game. there ain't no  
>free lunch.

Agreed. I dont bash CW as some on net can attest to. This is a one time aid  
and the students must learn it by ear as I wont allow any "visual aids". The  
diagram is merely something they should know about. Sorry, Chuck if you  
thought that I would resort to this. Gud luc to all in ARRL CW,

de Peter KB2NMV dit dit

CQ TEST KB2NMV TEST K

CQ CQ TEST KB2NMV TEST K

TU 599 NY K

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Date: 20 Feb 93 02:24:48 GMT

From: news-mail-gateway@ucsd.edu

Subject: Old car radios had PTO's

To: info-hams@ucsd.edu

Older (pre synthesizer) car radios had permeability tuned  
front ends, probably more rugged than variable capacitors.  
They definitely have the core moving mechanism and coil  
forms, maybe not the precision of the (Collins?) PTO.  
I seem to recall the R390 has lots of PT coils too.  
Note that iron and ferrite slugs increase inductance, and  
brass and copper slugs decrease inductance.

KD6MNP JFurman@spa.mhs.compuserve.com

73s Jeff

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Date: Sat, 20 Feb 93 04:21:06 GMT  
From: sdd.hp.com!elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!mstar!n8emr!  
bulletin@network.UCSD.EDU  
Subject: Propagation Forecast Bulletin 7 ARLP007  
To: info-hams@ucsd.edu

=====  
| Automatic relayed from packet radio via |  
| N8EMR's Ham BBS, 614-895-2553 |  
=====

ZCZC AP68  
QST de W1AW  
Propagation Forecast Bulletin 7 ARLP007  
>From Tad Cook, KT7H, Seattle, WA  
February 19, 1993  
Relayed by KB8NW/OBS & BARF-80 BBS  
To all radio amateurs

SB PROP ARL ARLP007  
ARLP007 Propagation de KT7H

Solar flux declined a bit since last week's high of 188, but there was flare activity to keep conditions dicey. The quietest day was February 15 when the A index was only one, but two days later flares drove the same index to 28.

Flux values should continue to slide until they reach levels near 110 around February 23 through 25. Then the next rise should drive it to 175 around March 7. There could be more flares and geomagnetic upsets February 27 and March 7.

For the ARRL CW DX Contest this weekend look for solar flux around 115 or 120 and unsettled geomagnetic conditions.

The projection for this weekend is from Dallas TX to the former Yugoslavia. 80 meters should be best from 2330 to 0700z, and 40 meters from 2200 to 0830z. 30 meters should be best from 2030 to 0500z, and 20 meters from 1330 to 1930z, with a brief opening around 2200z. 17 meters should be best from 1400 to 1900z, 15 meters from 1500 to 1800z, and 12 meters from 1600 to 1700z. 10 meters has a chance of an opening around 1630z.

Sunspot Numbers from February 11 to 17 were 131, 131, 121, 120, 100, 123 and 86, with a mean of 116. 10.7 cm flux was 173.2, 148.6, 135,

141, 134.8, 133.7 and 124.3, with a mean of 141.5.  
NNNN

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Date: 20 Feb 93 06:57:34 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: RACES Bulletin #261  
To: info-hams@ucsd.edu

BID : \$RACESBUL.261

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO  
INFO: ALL RACES OPERATORS IN CA (ALLCA: OFFICIAL)  
ALL AMATEURS U.S. (@ USA: INFORMATION)  
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (W6HIR @ WA6NWE.CA)  
2800 Meadowview Rd., Sacramento, CA 95832 (916)262-1600  
Landline BBS open to all: (916) 262-1657  
RACESBUL.261 DATE: Feb. 15, 1993  
SUBJECT: MGT - Volunteers - Part 1/3

Some of the recent Bulletins, coupled with reports from the recent hurricane activities, have prompted a considerable increase in comments and feedback. This is healthy and informative.

A few messages felt no one should count on volunteers showing up. Others said, "You have to pay people to do what you expect!" Not so on both counts.

There have been several messages on both the Amateur Radio and Civil Air Patrol packet systems about jump teams -- people and equipment who can respond some distance to serve for an indefinite period. Boy, am I happy to see this! It means that more people are recognizing what is needed and what can be done. Here, we call it Mutual Aid and the responders strike teams. This has been going on in some Western states for decades. We're talking about requested and authorized responders, of course, never self-dispatched resources.

Please keep in mind that my comments are confined to volunteers in government service. Definitely not the come-if-I-feel-like-it or the come-out-if-the-situation-is-really-bad individuals. Sure, there's a place for those people but not in government public safety communications such as the RACES, CAP and the like.

(To be continued in Part 2 of 3 parts)

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RACES Bulletins are archived on the Internet at ucsd.edu in hamradio/races  
and can be retrieved using FTP.

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Date: 20 Feb 93 06:59:44 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: RACES Bulletin #262  
To: info-hams@ucsd.edu

BID : \$RACESBUL.262

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO  
INFO: ALL RACES OPERATORS IN CA (ALLCA: OFFICIAL)  
ALL AMATEURS U.S. (@ USA: INFORMATION)  
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (W6HIR @ WA6NWE.CA)  
2800 Meadowview Rd., Sacramento, CA 95832 (916)262-1600  
Landline BBS open to all: (916) 262-1657  
RACESBUL.262 DATE: Feb. 22, 1993  
SUBJECT: MGT - Volunteers - Part 2/2

(This discussion is on volunteers in government service.)

Do you have to pay such volunteers? Let's look at any  
volunteer search and rescue group. Everyone in it joined to serve  
well and often. At any hour of the day or night. They WANT to be  
called out. The more often the better. It's the same with the  
communications volunteers we work with.

Is it easy to recruit such people? Yes it is, but it takes  
effort as 19 out of every 20 potential volunteer applicants turn  
it down because this level of commitment is simply not their cup  
of tea.

Some messages said that "all volunteers aren't available  
when we need them." That's probably true for the majority of all  
casual volunteers. Not so for the committed volunteers with whom  
same agency works. We can only hope that you recruit and employ the

Most of our volunteers over the years have jobs they can get  
away from. Some devise creative reasons to respond. Others take  
time off on vacation or without pay. The bottom line is that  
everyone will respond and serves because they WANT to. That's  
called dedication and commitment. So is that required? No question!

Some governments encourage their employees to serve their  
civil defense in emergencies without being penalized in pay or  
vacation time. This is good planning.

(Concluded in Part 3 of 3)

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Date: Sat, 20 Feb 93 03:38:45 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!mstar!n8emr!bulletin@network.UCSD.EDU  
Subject: Space Bulletin 004 ARLS004  
To: info-hams@ucsd.edu

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| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
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ZCZC AS83  
QST de W1AW  
Space Bulletin 004 ARLS004  
>From ARRL Headquarters Newington, CT  
February 18, 1993  
Relayed by KB8NW/OBS & BARF-80 BBS  
To all radio amateurs

SB SPACE ARL ARLS004  
ARLS004 SAREX update

Sarex Update - More hams to fly.

STS-55, Space Shuttle Columbia, welcomes aboard their fifth Amateur Radio-licensed crew member. Charlie Precourt, Mission Specialist, just received call letters, KB5YSQ. Originally set for launch February 25, STS-55 has been delayed for a mid-March launch.

Steve Oswald, STS-56 Space Shuttle Discovery Pilot, also recently passed his Amateur Radio exam and received call letters KB5YSR. This makes the second all-ham crew in history. The first occurred with Ken Cameron's STS-37 flight in April 1991. Ken will be commanding STS-56.

No word has been given regarding new launch dates for STS-56 and STS-57. We will bring you further details as we receive them.  
NNNN

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Date: Sat, 20 Feb 1993 00:50:02 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!howland.reston.ans.net!usc!  
elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcso!  
perry@network.UCSD.EDU  
Subject: Special Call Signs  
To: info-hams@ucsd.edu

> Any one heard anything yet on things that the FCC plans to do with issuing

> special call signs, i.e.i, re-issuing old and expired 1x2s, 2x1s, or 1x3s?  
> tnx and 73  
> --  
> -----  
> Marc Grant | Internet: marchbg@feenix.metronet.com  
> POB 850472 | Packet: n5mei@n5ldd.#ntx.tx.usa.na  
> Richardson, TX 75085-0472 | Amateur Radio Station N5MEI

The ARRL has an outstanding proposal that callsign administration be taken over by the VECs. That's detailed in a fairly recent QST. The FCC doesn't have the bandwidth to deal with anything other than sending the next callsign in sequence out of the computer.

Perry Scott  
AA0ET

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Date: Sat, 20 Feb 1993 08:21:10 GMT  
From: usc!cs.utexas.edu!torn!csd.unb.ca!news.ucs.mun.ca!morgan.ucs.mun.ca!  
dlawlor@network.UCSD.EDU  
Subject: visual impaired person tuning manual antenna tuner?  
To: info-hams@ucsd.edu

Does anyone have any pointers on how someone who is visually impaired can tune a manual antenna tuner? One idea I had was to use those old tone meters which was used by the members of the CNIB Amateur radio program to tune the tubes in the old heath-kit hw12/hw22/hw32 rigs. Would this work? Any information on this would be appreciated.  
Thanks in advance.  
Doug

--  
Doug Lawlor, vo1cm  
Internet: dlawlor@morgan.ucs.mun.ca or dlawlor@kean.ucs.mun.ca

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Date: 18 Feb 93 04:38:55 GMT  
From: bobsbox.rent.com!s4mjs!spatula!ahm@RUTGERS.EDU  
Subject: What prevents someone from having 2 amateur licenses?  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, rossi@gvlf9-q.gvl.unisys.com (Pete Rossi) writes:

> What mechanism does the FCC and VECs have to prevent someone from  
> obtaining more than one amateur license?

You mean like some sort of cross-check? None, apparently.

As a Novice, I was issued two different callsigns: KA2WMR and KA2WPQ. I'm still not sure what actually happened, but at the time I wrote to the FCC to inform them of the error, and that they should re-issue the KA2WPQ call. (They never answered my letter, so I can't be sure they even got it). In any case, when I upgraded, I only got one new callsign. :-)

Cheers,  
Andy

--

Andreas Meyer, N2FYE      ahm@spatula.rent.com      "You can't grep dead trees."

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Date: Fri, 19 Feb 1993 19:50:02 GMT  
From: usc!cs.utexas.edu!convex!constellation!osuunx.ucc.okstate.edu!  
datacomm.ucc.okstate.edu!martin@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Feb17.143657.20164@seas.gwu.edu>, <C2MK03.32@news.cso.uiuc.edu>,  
<reid.97.730064102@ucs.indiana.edu>  
Subject : Re: FAA Radar power?

In article <reid.97.730064102@ucs.indiana.edu> reid@ucs.indiana.edu (Frank Reid) writes:

>missiles. There was a picture of someone wearing a special suit to protect  
>against rf when working near the antenna. The article also mentioned that  
>guys would stand in front of the antennas to get warm (!), and suffered no  
>apparent ill effects except a slight increase in the incidence of eye  
>cataracts.

There have also been reports of people being able to hear the modulation of the radar signal. This might have been due to piezoelectric activity in the skull or maybe even direct stimulation of the cochlia. Some of these reports also noted visual disturbances. No details were given, but the idea of cooking one's brain with that much RF isn't something that I would want to do.

> Of course, that was in the days when rf was theoretically not  
>harmful. (Neutrons were once thought to be harmless because they are not  
>ionizing radiation. A local cyclotron once sent their excess neutrons into  
>the frat house next door, but that's another story. :-)

I bet the survivors remember college with a nice happy glow.

Martin McCormick WB5AGZ      Stillwater, OK

O.S.U. Computer Center Data Communications Group

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End of Info-Hams Digest V93 #237

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